

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Barrow-in-Furness
Date of Survey 24th August 1921
Name of Surveyor John Whitehead

| | | | | | |
|--|--|------------------|----------------|-------------------------------|---|
| Ship's Name <u>S. "Moreton Bay"</u> | Port of Registry and Nationality. <u>Brisbane</u> <u>British</u> | Official Number. | Gross Tonnage. | Date of Build. <u>1921</u> | Particulars of Classification. <u>100A-1. Shelter Dk with Freeboard.</u> <u>Class Contemplated.</u> |
| Number in Register Book | | | | | |

| Registered Dimensions from Ship's Register. | LENGTH. | BREADTH. | DEPTH. | UNDER DECK TONNAGE. |
|---|--------------|---|---|--|
| | <u>530.6</u> | <u>68.3</u> | <u>39.9</u> | <u>9270.6</u> |
| Length on LOADLINE. | <u>529.8</u> | Frame/Depth <u>9</u> Rule <u>" 8</u> <u>1</u> | Ceiling <u>fitted</u> Sheer <u>+ .81</u> | Peak } Incl'd Tanks } |
| | | <u>x 2. - .16</u> | <u>Level Tank</u> | <u>12" Frame in E + B, N + 4 Hold + 24 7" Frame in Shelter</u> |
| CORRECTED DIMENSIONS. | <u>529.8</u> | <u>68.14</u> | <u>40.41</u> | <u>11898.0</u> |

Moulded Depth as measured..... 43'-6"
Addition for Keel below base line for draught record..... 3.....inches.

NOTE. - If the depth is measured when vessel is afloat, the details of measurement should be reported.

| CORRECTION FOR LENGTH. | | | |
|--|-----------------|----------------------------|--|
| Length of Ship on Loadline..... | <u>529.8</u> | | |
| Length in Table | <u>522.0</u> | | |
| Difference | <u>7.8</u> | | |
| Correction for 10ft., Table A. | <u>1.7</u> | Table C. <u>.8</u> | |
| x Difference divided by 10 | <u>1.32</u> | (if required.) <u>.604</u> | |
| If $\frac{1}{10}$ ths length covered divide by 2 | <u>+ 1 1/4"</u> | <u>+ 1/2"</u> | |

| CORRECTION FOR IRON DECK. | |
|--|--|
| Proportion covered, if less than $\frac{1}{10}$ ths length covered | <u>52</u> |
| Thickness of usual wood deck, less stringer | <u>3" Wood Deck where exposed. - 1/2" - 1/4"</u> |
| No Sheathing in Bridge | <u>- 3 - 3 1/4"</u> |

| CORRECTION FOR ROUND OF BEAM. | |
|---|---------------------------|
| Breadth at Gunwale amidships..... | <u>67.0'</u> |
| Round of Beam | <u>6</u> |
| Normal round..... | <u>16 3/4</u> |
| Difference | <u>10 3/4 ÷ 2 = 5 3/8</u> |
| Proportion of Deck uncovered (Para. 19) | <u>.48 x 2.58 = 1.24</u> |

NOTE. - The round of beam should be reported on the full breadth of vessel at the gunwale.

| | |
|--|----------------------|
| Freeboard, Table A | <u>12' - 10 3/4"</u> |
| Correction for Sheer | <u>- 4</u> |
| Correction for Length | <u>+ 1 1/4</u> |
| Allowance for Deck Erections | <u>12' - 5</u> |
| Correction for Round of Beam..... | <u>- 9 3/4</u> |
| Correction for fall in Sheer (if any)..... | <u>11' - 4 1/4</u> |
| Correction for Iron Deck (if required) | <u>+ 2 1/2</u> |
| Additions for non-compliance with provisions of Para. 11 (d) and (e) † | <u>11' - 6 1/2</u> |
| Other Corrections (if any) | |

| | |
|-------------------------------|--------------------|
| Winter Freeboard | <u>11' - 6 1/2</u> |
| Summer Freeboard | <u>8' - 10 1/2</u> |
| Indian Summer Freeboard | <u>10' - 0 1/2</u> |
| N. A. Winter Freeboard..... | <u>10' - 2 1/2</u> |

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. 3/4"

| | |
|---------------------------------------|--------------------|
| Winter Freeboard from deck line | <u>11' - 7 1/4</u> |
| Summer " " " " | <u>10' - 9 1/4</u> |
| Indian Summer " " " " | <u>10' - 1 1/4</u> |
| N. A. Winter " " " " | <u>10' - 1 1/4</u> |
| Shelter (Iron) Deck :- | <u>10' - 9 1/4</u> |
| as Cargo Steamer Only | |

Efficient of fineness..... .81
Any modification necessary [Para. 4 (a) to (e)]* C.O.B
Efficient as corrected49

Mean Sheer { Stem..... 120 } 180 ÷ 2 = 90.0..Mean
 { Sternpost ... 60 }
Mean at $\frac{1}{8}$ of the length from { Stem 66.25 } 101.35 ÷ 2 = 50.62..Mean
 { Sternpost 35.0 }
Actual mean Sheer 91.02 $\div .55 = 92.04$
Standard mean Sheer [Table, Para. 18] 62.98 Correction
Difference..... 28.04 ÷ 4 = - 7"
If limited as Para. 18 (f)

Fall in Sheer { At front of bridge house..... }
 { At amidships }
 { At after end of forecastle }

Fall in Sheer {
 { Para. 18 (d) } $\div 2 =$
 { Deck uncovered } Correction

| ALLOWANCE FOR DECK ERECTIONS :- | | |
|---|--------------------------------|--------------------|
| Freeboard, Table C..... | <u>(12 - 10 3/4) - (3 - 3)</u> | <u>9' - 7 3/4"</u> |
| Correction for Length, if required (Para. 12, 13, and 14) | <u>+ 1/2</u> | |
| Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) | <u>9' - 8 1/4"</u> | |
| Allowance | <u>12' - 5</u> | |
| Difference | <u>2' - 8 3/4"</u> | |
| Percentage as below..... | <u>30%</u> | |
| | <u>9.82</u> | |

Allowance for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) - 9 3/4"
Allowance for Deck Erections

| | Length. | Length allowed. | Height. |
|-------------------|---------------|-----------------|----------------|
| Bridge House..... | <u>45.8</u> | <u>41.01</u> | <u>8' - 0"</u> |
| 1 Qr. Dk..... | <u>207.86</u> | <u>206.11</u> | |
| | | | |
| | | | |

Total 244.12 = 523
Length of Ship 529.8
Allowing percentage { 30% limit.
 { Para. 12, 13, and 14 }

| FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :- | |
|--|----------------------|
| 2. 8. 21. Fresh Water Line | above centre of Disc |
| Indian Summer Line | " " " |
| Winter Line | below " " |
| Winter North Atlantic Line | " " " |

If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

† State dimensions of freeing port area on back of this form.
‡ The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft should be reported.

18.8.21. An additional mark to be placed on the vessel's sides in accordance with sketch attached, viz 3' 3 1/4" below the centre of disc, corresponding to a breadth of 29' - 8 1/2" (moulded)

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